

T-Angling with Words

Now that you've played with polygons, polyhedra, parallelograms, prisms, pentagons, and more in the Tony Smith sculpture, match up the geometry word roots (most are from ancient Greek) with their meaning.

WORD ROOTS

- a. Gon _____
- b. Gram _____
- c. Penta _____
- d. Parallelo _____
- e. Nono _____
- f. Hedron _____
- g. Poly _____
- h. Tetra _____
- i. Quad _____
- j. Rectus _____
- k. Hexa _____
- l. Hepta _____
- m. Deca _____
- n. Bi _____
- o. Equi _____
- p. Octa _____
- q. Tri _____
- r. Lateral _____
- s. Angle _____
- t. Dodeca _____
- u. Linear _____

MEANING

- 1. Parallel
- 2. Ten
- 3. Seven
- 4. Nine
- 5. Four
- 6. Many
- 7. Right
- 8. Picture or writing
- 9. Angle
- 10. Line
- 11. Equal or congruent
- 12. Six
- 13. Four
- 14. Face or side
- 15. Two
- 16. Five
- 17. Three
- 18. Angle
- 19. Eight
- 20. Twelve
- 21. Sides

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Some of the roots are prefixes (the beginning of a word) and others are suffixes (the end of a word.)

Now how many more geometry words can you make? Work with a partner to brainstorm words with these roots. List them here and add any other words you know that use the same root. Count up your totals and share your list with the class.

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T-Angling with Words

ANSWER SHEET

a. Gon	Angle
b. Gram	Picture or writing
c. Penta	Five
d. Parallelo	Parallel
e. Nono	Nine
f. Hedron	Face or side
g. Poly	Many
h. Tetra	Four
i. Quad	Four
j. Rectus	Right
k. Hexa	Six
l. Hepta	Seven
m. Deca	Ten
n. Bi	Two
o. Equi	Equal or congruent
p. Octa	Eight
q. Tri	Three
r. Lateral	Sides
s. Angle	Angle
t. Dodeca	Twelve
u. Linear	Line